



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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September 11, 1986

TO: File

FROM: Susan C. Linner, ^{su}Reclamation Biologist/Permit Supervisor

RE: Test Plot Inspection, Utah Marblehead Lime Company,
ACT/045/003, Tooele County, Utah

On August 26, 1986 Susan Linner and Lynn Kunzler of the Division visited the Utah Marblehead Lime Mine accompanied by Norman Tupper to inspect the test plots which were installed in the fall of 1985. The test plots comprise five (5) treatments within a fenced-in area of approximately 1/4 acre. One treatment consists of rows of individually seeded species with 16-16-8 fertilizer. (Fertilizer mixes were changed slightly from original recommendations due to lack of commercial availability). Bluebunch wheatgrass, thickspike wheatgrass and Indian ricegrass (with one seedling) were the only species to have germinated.

The most successful treatment was the seed mix, 16-16-8 fertilizer, and wood fiber mulch followed by the treatment consisting of seed mix, 34-0-30 fertilizer and mulch. Mulch remained on both plots, with grasses, alfalfa and yellow sweetclover emerging in both treatments. There was no evidence of vegetation on the seed mix and 34-0-30 plot. The control plot (seeded only) contained weedy vegetation (Russian thistle) in areas where it appeared that runoff may have accumulated.

Utah Marblehead Lime will visually estimate vegetation success this fall, reporting cover, density and composition. In years 3 and 5 (1988 and 1990) more detailed vegetation analysis will be done. Monitoring results will be submitted in annual reports to the Division.

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cc: Lynn Kunzler

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